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Vanderbilt

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[54] COMPOSITE INTRAOCULAR LENS

[75] Inventor: David P. Vanderbilt, St. Louis, Mo.

[73] Assignee: American Cyanamid Company, Stamford, Conn.

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[58] Field of Search ..... 623/6, 901; 351/160 R, 351/160 H, 177, 162; 264/1.7, 1.1

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Primary Examiner—Ronald Frinks

Attorney, Agent, or Firm—William H. Calnan

[57] ABSTRACT

A one-piece bicomposite intraocular lens having a soft foldable central optic portion and a hard, stiff haptic portion made from two dissimilar polymeric materials wherein the soft polymeric material is soft enough to fold into a smaller dimension for insertion through a surgical incision which is smaller than the diameter of the optic portion and the second hard polymeric haptic material provides a stiffness sufficient to properly hold the intraocular lens in place within a patient's eye. The hard polymeric haptic material is joined to the outermost peripheral surface of the soft central optic material by means of an interpenetrating polymer network to form a one-piece bicomposite intraocular lens, In an alternative embodiment the stiff haptic portion has a further soft material at its terminus to protect the eye tissues at the point of contact without sacrificing the lens positioning properties of stiff haptics.

6 Claims, 2 Drawing Sheets